

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) A sprayer purifier cartridge system comprising:

a sprayer for spraying water, wherein said sprayer has a receiving structure ~~for said purifier cartridge~~; and a

a purifier cartridge containing a substance for purifying water, said cartridge being attachable to ~~the~~ said receiving structure of said sprayer,

wherein ~~one of said sprayer and~~ said purifier cartridge comprises a structure having an outer surface with at least ~~one opening~~ two openings therein, which ~~opening is~~ openings are at least partially surrounded by an integral portion of said structure that has flexibility, wherein said portion of said structure extends toward the center of each of said opening openings, and extends inwardly at an angle in a direction opposite to said outer surface, and said portion is thinner and more flexible than the portions of the structure that are disposed outwardly thereof, and ~~the other~~ ~~of~~ said sprayer ~~and said purifier cartridge~~ comprises at least ~~one~~ two hollow ~~protrusion~~ protrusions that fits fit into said at least ~~one opening~~ two openings to permit ~~the~~ water to flow in at least one direction between said sprayer and said purifier cartridge, wherein said cartridge is attachable to said sprayer and said portion of said structure forms a seal between said cartridge and said sprayer, and ~~and wherein said purifier cartridge comprises said structure having an outer surface with at least one opening therein, and said cartridge is disposable so that said portion of said structure that forms a seal between said cartridge and said sprayer is provided by the cartridge each time a new cartridge is inserted into said sprayer.~~

Claim 2. (Cancelled)

Claim 3. (Original) The sprayer purifier cartridge system of Claim 1 wherein said sprayer comprises a housing, and said housing has a recess for insertion of at least a portion of said purifier cartridge.

Claim 4. (Cancelled)

Claim 5. (Original) The sprayer purifier cartridge system of Claim 1 wherein said cartridge has two ends comprising a first end and a second end, an inlet and an outlet, and said inlet and outlet are located on the same end of said cartridge.

Claim 6. (Original) The sprayer purifier cartridge system of Claim 1 wherein said substance for purifying water comprises at least one ion exchange resin.

Claim 7. (Original) The sprayer purifier cartridge system of Claim 1 wherein said cartridge comprises two side-by-side compartments.

Claim 8. (Original) The sprayer purifier cartridge system of Claim 1 wherein said side-by-side compartments have a cylindrical configuration and an opening therebetween for transmitting water between said compartments.

Claim 9. (Previously Presented) The sprayer purifier cartridge system of Claim 1 wherein said cartridge comprises an insertion aid.

Claim 10. (Previously Presented) The sprayer purifier cartridge system of Claim 9 wherein said insertion aid comprises a hole in said cartridge that mates with a pin on said sprayer.

Claim 11. (Original) The sprayer purifier cartridge system of Claim 5 wherein said inlet and

said outlet comprise circular openings that have a diameter of about 5/16 inch.

Claim 12. (Original) The sprayer purifier cartridge system of Claim 11 wherein the centers of said inlet and said outlet openings are spaced about 1.5 inches apart.

Claim 13. (Currently Amended) The sprayer purifier cartridge system of Claim 1 wherein said receiving structure for said purifier cartridge comprises a structure with said at least ~~one~~ two hollow ~~protrusion~~ protrusions, and said at least ~~one~~ two hollow ~~protrusion~~ comprises ~~protrusions~~ comprise a pair of spaced apart hollow posts.

Claim 14 (Currently Amended) The sprayer purifier cartridge system of Claim 13 wherein said at least ~~one~~ opening ~~two~~ openings in the structure of said purifier cartridge ~~comprises~~ comprise a pair of spaced apart openings that fit over said hollow posts, wherein the flexible material that at least partially surrounds said openings forms a leak-proof seal with said hollow posts.

Claim 15. (Currently Amended) A sprayer purifier cartridge system comprising:
a sprayer for spraying water ~~and a purifier cartridge~~, wherein said sprayer has a recess for insertion of at least a portion of a said purifier cartridge and a receiving structure for said purifier cartridge; and a

a said purifier cartridge containing a substance for purifying water, said cartridge having two ends comprising a first end and a second end, an inlet and an outlet, and said inlet and outlet are located on the same end of said cartridge, said cartridge being attachable to the receiving structure of said sprayer,

wherein said purifier cartridge comprises a structure having an outer surface with at least ~~one~~

~~opening two openings~~ therein, which ~~opening is~~ ~~openings are~~ at least partially surrounded by an integral portion of said structure that has flexibility, wherein said portion of said structure extends toward the center ~~of each~~ of said ~~opening~~ ~~openings~~, and extends inwardly at an angle in a direction opposite to said outer surface, and said portion is thinner and more flexible than the portions of the structure that are disposed outwardly thereof, and said sprayer comprises at least ~~one~~ ~~two~~ hollow ~~protrusion~~ ~~protrusions~~ that ~~fits~~ ~~fit~~ into said at least ~~one~~ ~~opening~~ ~~two openings~~ to permit ~~the~~ water to flow in at least one direction between said sprayer and said purifier cartridge, wherein said cartridge is attachable to said sprayer and said portion of said structure forms a seal between said cartridge and said sprayer.

Claim 16. (Previously Presented) The sprayer purifier cartridge system of Claim 1 wherein said seal between said cartridge and said sprayer is formed without adding a separate gasket to said sprayer purifier cartridge system.